



## Tool & Plastics Inc.

### Tooling Equipment:

- Milling
  - 1 – GF Mikron HSM 600U – 5 Axis with 36,000 RPM Spindle – Heidenhain Control
  - 1 – GF Mikron HEM 800 with 20,000 RPM Spindle – Heidenhain Control
  - 1 – Makino SNC64 with 30,000 RPM spindle and 20 Station Tool Changer
  - 1 – Haas VF-3YT Vertical Machining Center, X,Y,Z Travels – 40" x 26" x 25"
  - 2 – Knee Milling Machines with Digital Readouts, Table – 24" x 9"
  
- EDM
  - Erowa Robot Feed EDM Work Center: 77 electrodes & 6 pallets for workpieces:
    - 2 – Makino EDAF2 CNC Ram Machines, X,Y,Z Travels – 9.8" x 13.8" x 9.8"
  - 2 – Eltee Pulsitron EDM Machines with Vector Machine Control
  - 1 – Sodick VZ300L Wire EDM, Max Workpiece – 30.7" x 22.4" x 8.5"
  - 1 – Yougar Hole Popper, .005" Minimum Diameter
  
- Grinding
  - 1 – Mitsui Hand Feed Grinder with Digital Readouts, Chuck – 6" x 12"
  - 4 – Harig Surface Grinders with Digital Readouts, Chuck – 6" x 12"
  - 1 – Harig Surface Grinders with Digital Readouts, Chuck – 6" x 18"
  - 1 – Harig Surface Grinder, Auto-Step with Digital Readouts, Chuck – 6" x 18"
  - 1 – Oakamoto AAC Surface Grinder – 24" x 12"
  - 1 – Moore Jig Grinder with Digital Readouts
  
- Other
  - 1 – 14" Clausing Lathe
  - 1 – Sunnen Honing Machine

### Metrology Equipment:

- 1 – QVI SprintMVP 400 CMM, Measuring Range – 17.72" x 17.72" x 11.81"
- 1 – Micro-Vu Model M301 Color Video Inspection Scope
- 1 – Nikon NM 22 Inspection Microscope 6 X 12
- 1 – 14" Contour Projector
- 1 – 10" Contour Projector

### Software

- M1 Manufacturing – MRP/ERP
- Creo 5 with Mold Design & Mold Filling Analysis
- SolidWorks
- Unigraphics
- AutoCad
- MasterCam
- QC Calc – Real Time SPC Software

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